binder, and (2) detecting a color change on the thin membrane resulting from interaction of the thiol group-containing compound and the microparticle.

2. (Amended) A method for measuring a thiol group-containing compound, which comprises the steps of:

(1) contacting a sample containing a thiol group-containing compound with a thin membrane comprising a microparticle of a metal and comprising a hydrophilic binder and a crosslinking agent, and

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(2) detecting a color change on the thin membrane resulting from interaction of the thiol group-containing compound and the microparticle.

3. (Amended) The method according to claim 1 or claim 2, wherein said metal is selected from the group consisting of a metal of the 2nd period, 3rd period, 4th period, 5th period, and 6th period of the periodic table of elements.

4. (Amended) The method according to claim 1 or 2, wherein said metal is selected from the group consisting of a metal of Group VIb, Group VIIb, Group VIII, Group Ib, Group IIb, Group VIa and Group VIIa in the periodic table of elements.

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5. (Amended) The method according to claim 3, wherein said metal is selected from the group consisting of gold, silver, copper, and platinum.

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9. (Amended) A thin membrane used for measurement of a thiol group-containing compound, which comprises a microparticle of a metal and comprises a hydrophilic binder.

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